

Electricity, electronics and electrical circuits

ST

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Complete this Concept Review so you can keep a record of what you have learned.

Definitions

- Direct current is an electric current in which the electrons are continuously moving in the same direction.
- Alternating current is an electric current in which the electrons move back and forth in a regular pattern.

Differences between electricity and electronics

Characteristic	Electricity	Electronics
Materials used	<u>Conductive materials made of metal and alloys (especially copper)</u>	<u>Semiconductive materials (especially silicon)</u>
Power of the current	<u>Potentially powerful currents</u>	<u>Low-intensity currents</u>
Size of circuits	<u>Circuits of normal size</u>	<u>Miniaturized circuits</u>

Components of an electrical circuit

